

inventor: J. Brian Windsor, et al.

Title: GENETIC AND EPIGENETIC MANIPULATION OF ABC TRANSPORTERS AND ECTO-PHOSPHATASES FOR THE CONFERENCE OF DRUG RESISTANCE AND FOR THE LOSS OF DRUG RESISTANCE IN BIOLOGICAL SYSTEMS AND METHODS FOR THE DETECTION OF ECTO-PHOSPHATASE INHIBITORS
Serial #: 10/047,251

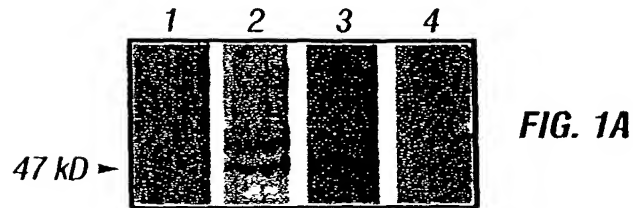


FIG. 1A

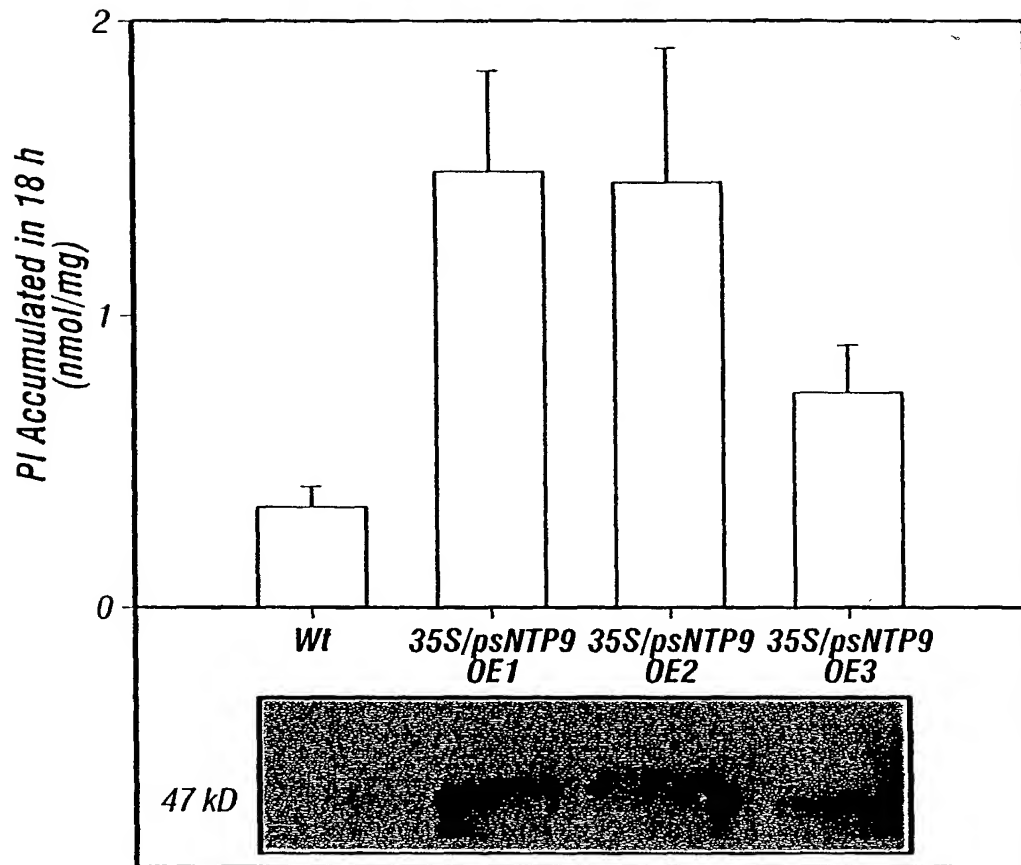


FIG. 1B

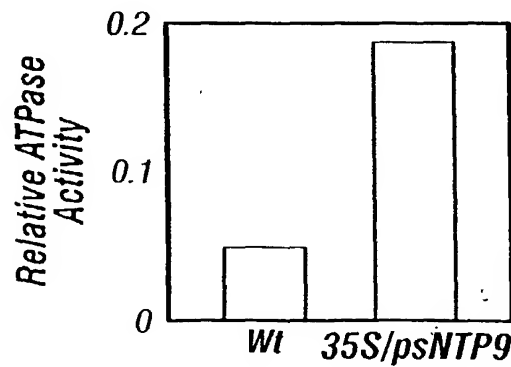


FIG. 1C

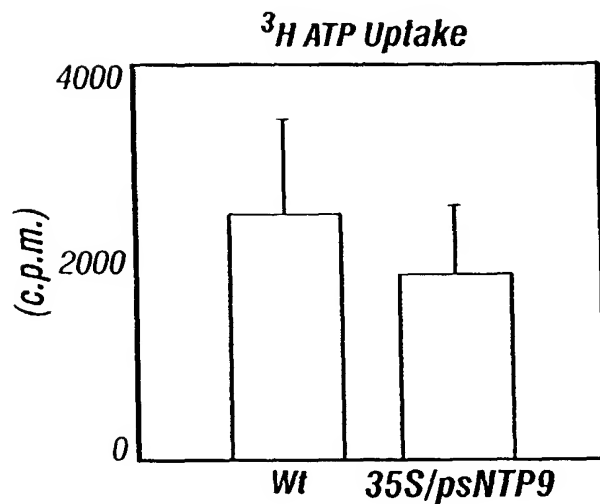


FIG. 2A

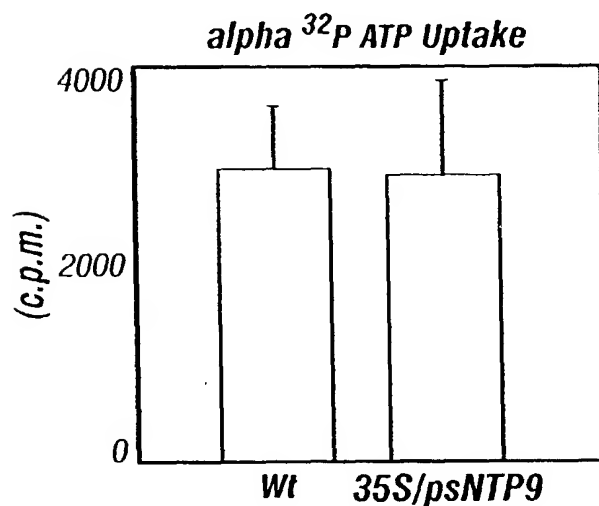


FIG. 2B

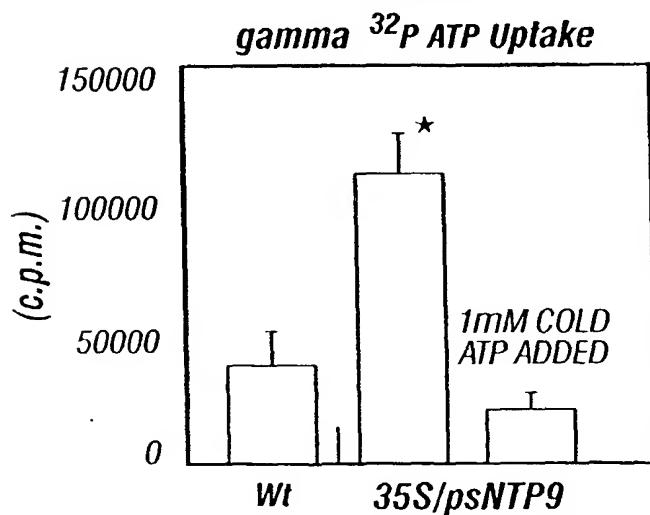
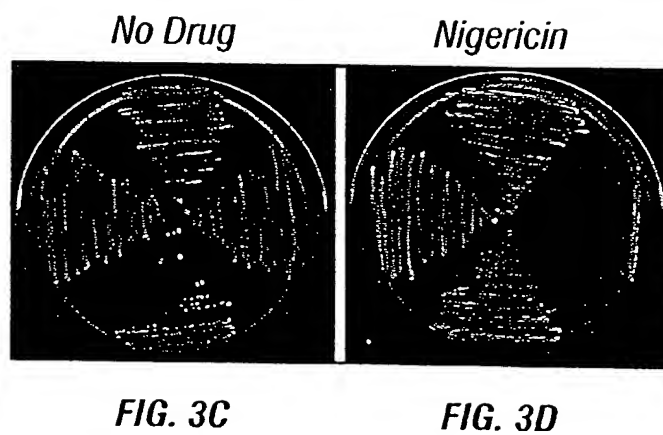
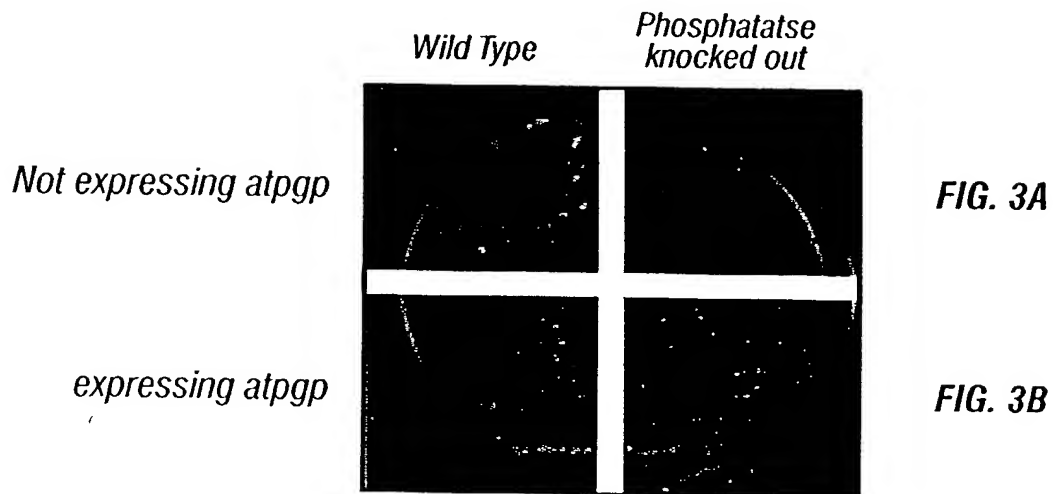


FIG. 2C



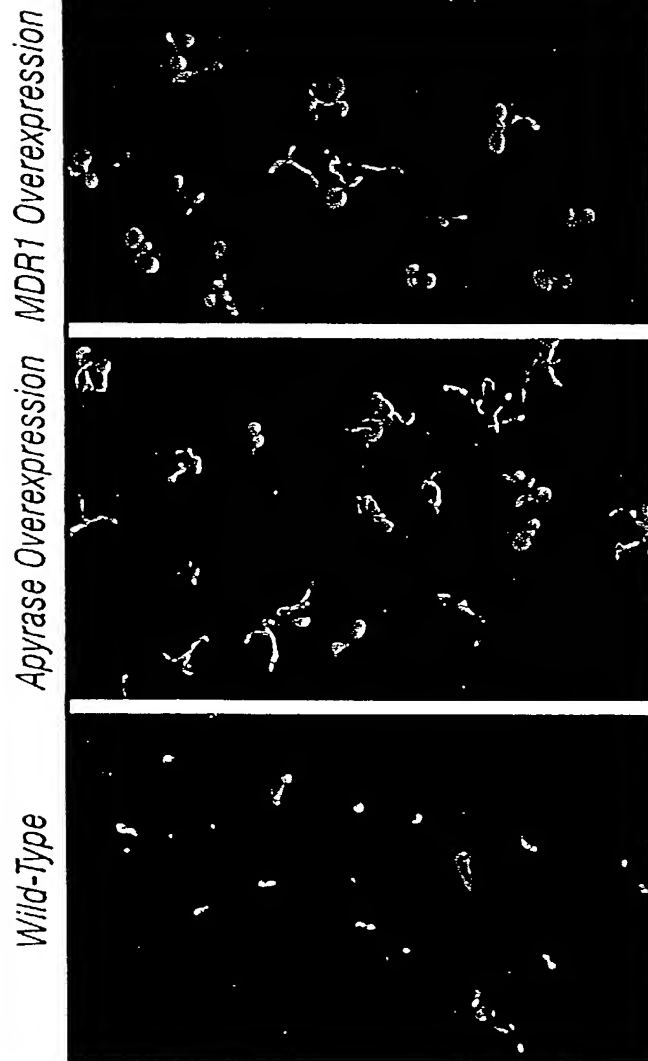


FIG. 4A

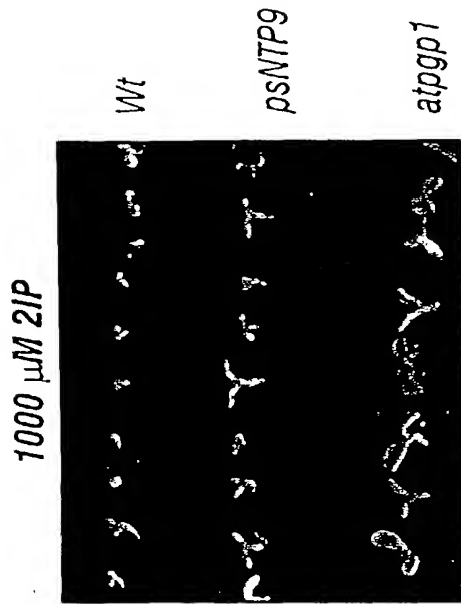


FIG. 4B-2

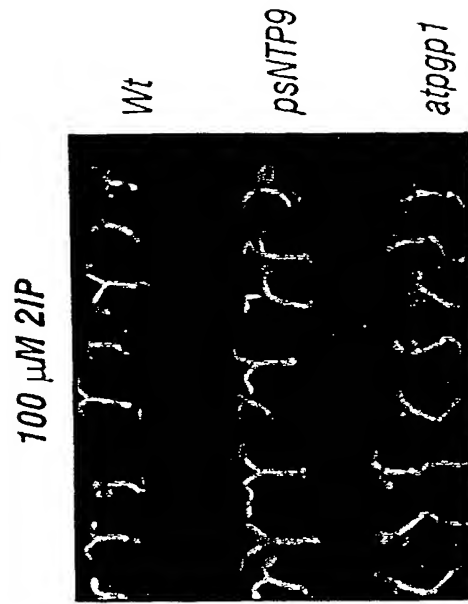


FIG. 4B-3

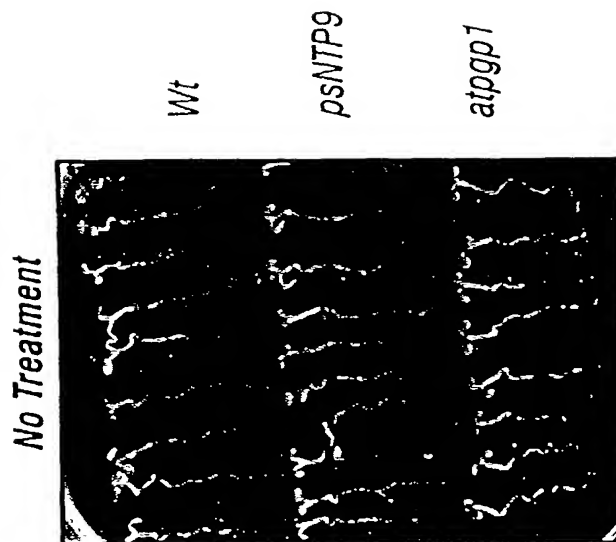


FIG. 4B-1

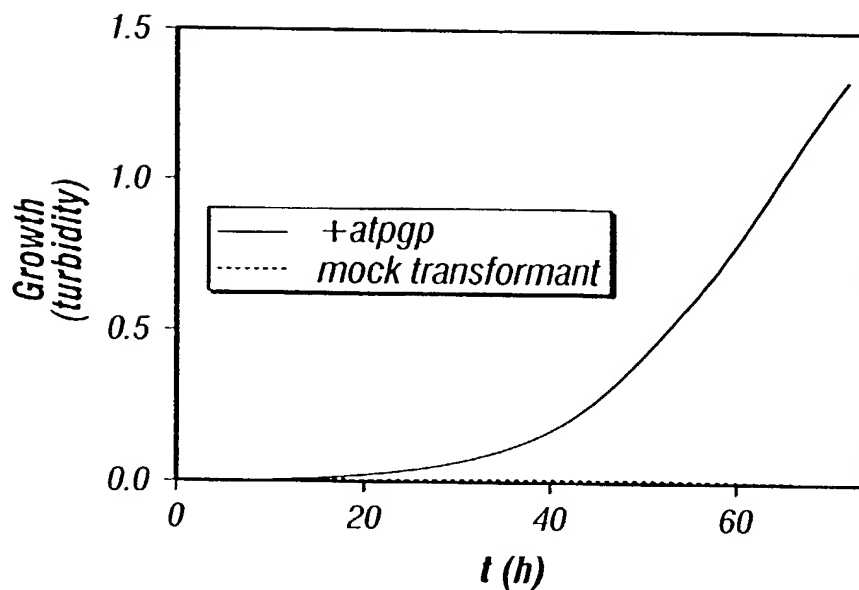


FIG. 5A

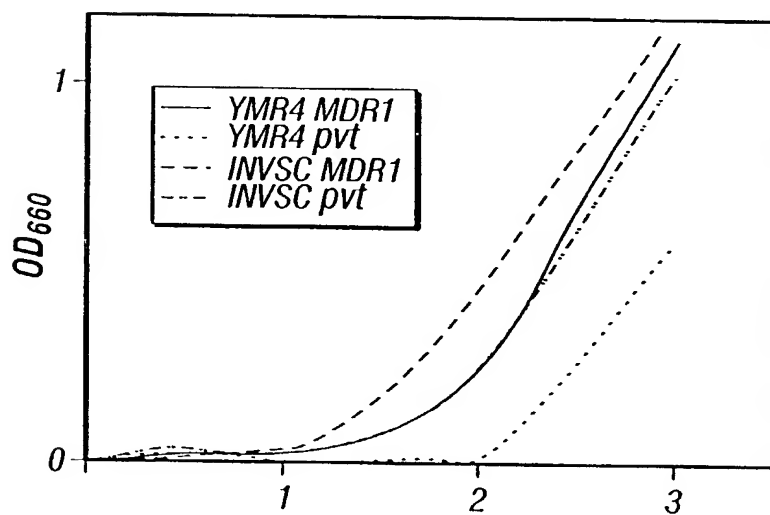


FIG. 5B

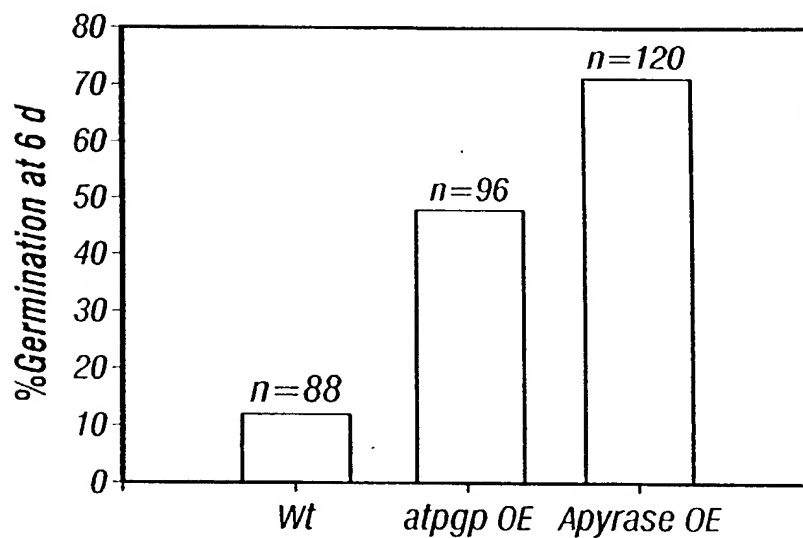


FIG. 6

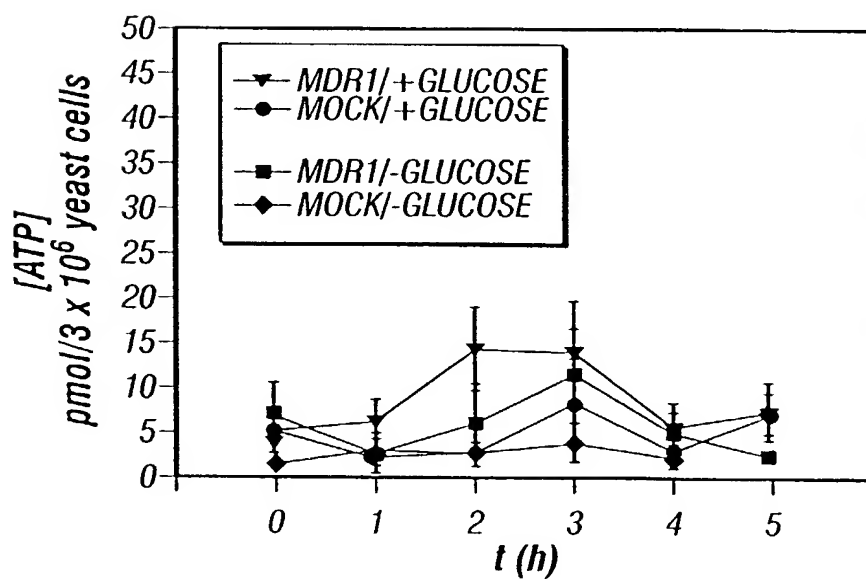


FIG. 7

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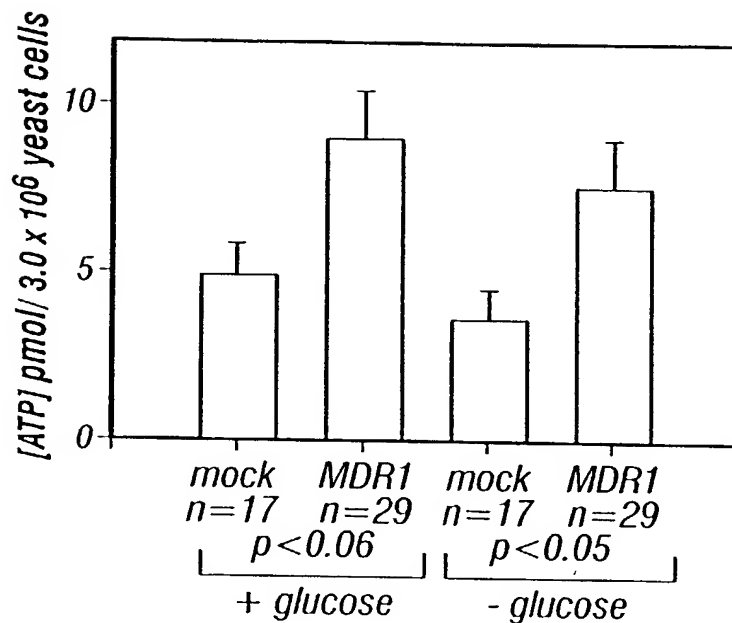


FIG. 8

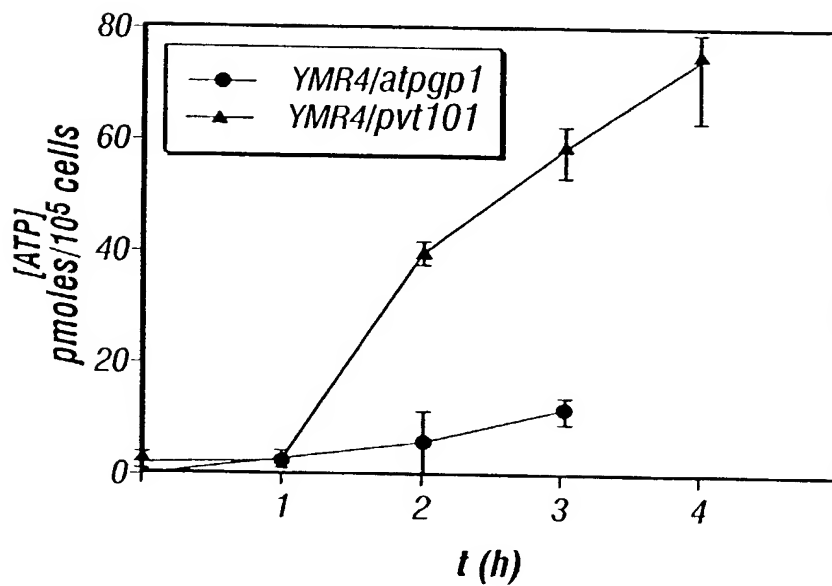


FIG. 9

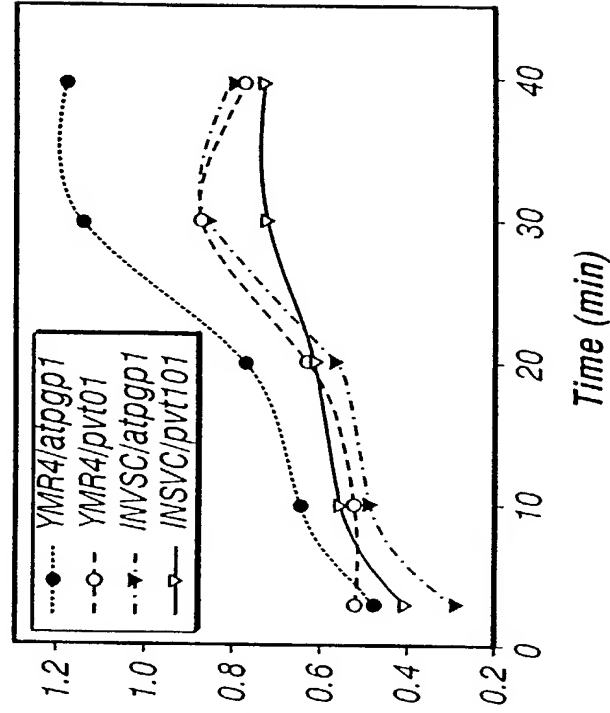


FIG. 10

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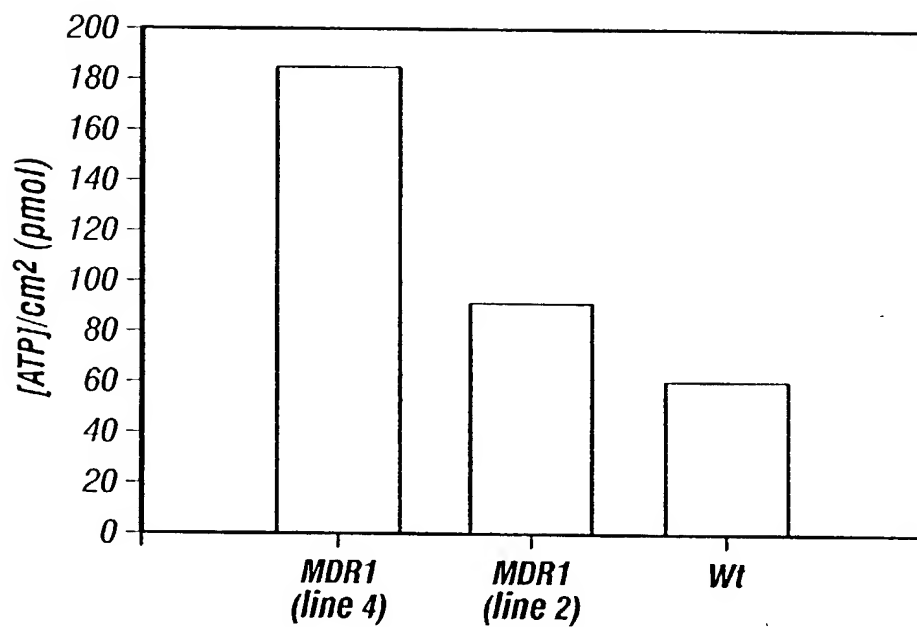


FIG. 11

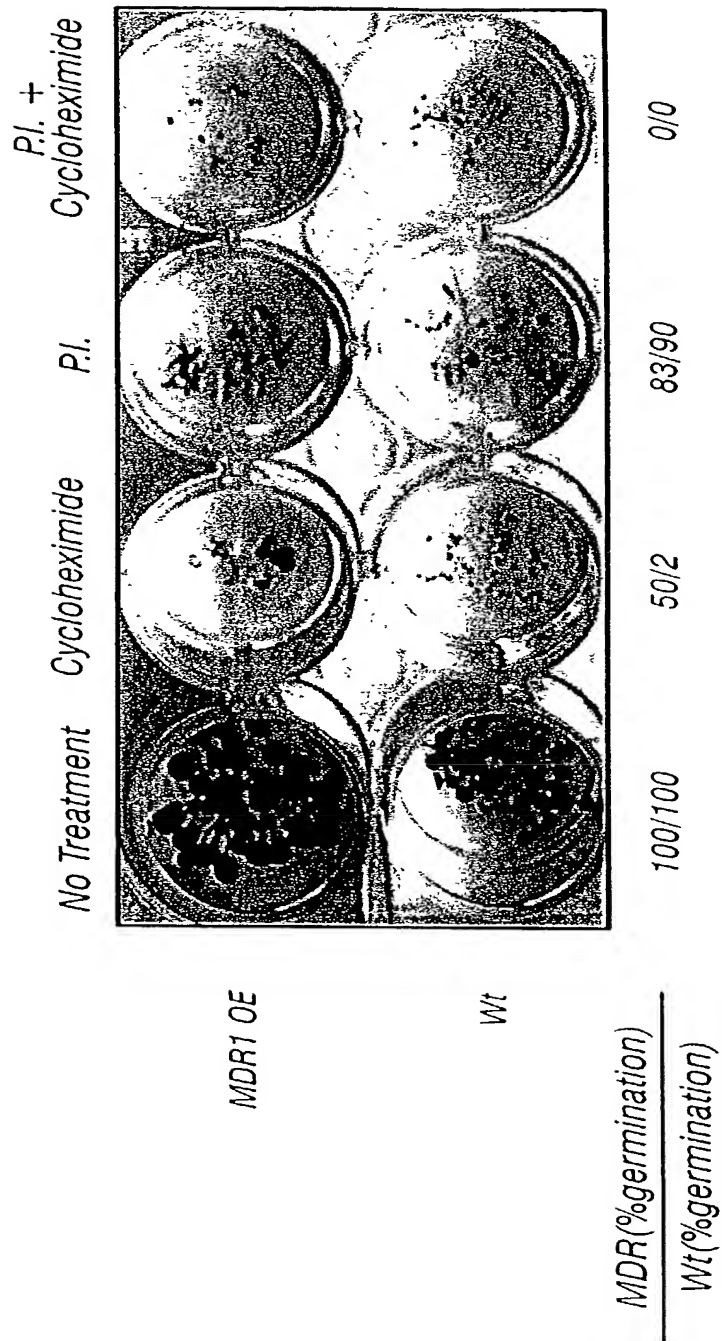


FIG. 12

Drug selected Cells Cells cultured only on Media

Cycloheximide

ym4mdr1	0.754	0.014
ymr4 pvt	0.017	0.016
inv scmdr1	0.683	0.013
inv sc pvt	0.985	0.005

ATP +cycloheximide

ym4mdr1	0.001	0.001
ymr4 pvt	0.002	0.001
inv scmdr1	0.001	0.002
inv sc pvt	0.001	0.002

ATP

ym4mdr1	0.016	0.585
ymr4 pvt	0.001	0.697
inv scmdr1	0.271	1.267
inv sc pvt	0.052	0.213

Media alone

ym4mdr1	1.477	1.478
ymr4 pvt	1.437	1.484
inv scmdr1	1.498	1.483
inv sc pvt	1.488	1.435

FIG. 13

Media alone

ymr mdr1 1.376

ymr4 pvt 1.429

Cycloheximide

ymr mdr1 0.937

ymr4 pvt 0.001

PQ₄ alone

ymr mdr1 1.351

ymr4 pvt 1.341

PQ₄ and Cycloheximide

ymr mdr1 0.541

ymr4 pvt 0.001

Adenosine alone

ymr mdr1 1.319

ymr4 pvt 1.354

Adenosine and Cycloheximide

ymr mdr1 0.632

ymr4 pvt 0.002

Adenoside and PQ₄ alone

ymr mdr1 0.899

ymr4 pvt 1.342

Adenoside and PQ₄ and Cycloheximide

ymr mdr1 0.389

ymr4 pvt 0.001

FIG. 14